

Title (en)

Brake for use in a work machine

Title (de)

Bremsbelagverwendung in einer Arbeitsmaschine

Title (fr)

Frein à utiliser dans une machine de travail

Publication

EP 2175157 A1 20100414 (EN)

Application

EP 09171474 A 20090928

Priority

US 24734108 A 20081008

Abstract (en)

A brake for use in a work machine, said brake comprising an inner plate (50), a center plate (52), and an outer plate (54) which are generally coaxially arranged relative to each other, said inner plate (50) including an outer axial face (58) with a plurality of ball ramps (60), said center plate (52) including opposite axial faces (62, 64) which each have a plurality of ball ramps (66, 68), and said outer plate (54) including an inner axial face (74) with a plurality of ball ramps (76); and a plurality of balls (56), each of said balls (56) positioned within one of said plurality of ball ramps (66, 68) of said center plate (52), and also positioned within one of said ball ramps (60, 76) of a corresponding one of said inner plate (50) and said outer plate (54).

IPC 8 full level

F16D 65/14 (2006.01); **F16D 65/18** (2006.01)

CPC (source: EP US)

F16D 65/186 (2013.01 - EP US); **F16D 2121/02** (2013.01 - EP US); **F16D 2121/14** (2013.01 - EP US); **F16D 2123/00** (2013.01 - EP US); **F16D 2125/38** (2013.01 - EP US)

Citation (search report)

- [A] US 5368137 A 19941129 - CLEMENS JOSEPH A [US]
- [A] EP 0416412 A1 19910313 - DEERE & CO [US]
- [A] US 6571928 B1 20030603 - GASSMANN THEODOR [DE]
- [A] US 2938607 A 19600531 - KERSHNER OSBORN A, et al

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (application)

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